

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An apparatus for restoring an aortic valve having an aortic annulus and a sinotubular junction, ~~which is used for correction of aortic valvular regurgitation caused by an increase in the diameter of an aortic annulus and/or a sinotubular junction~~ the apparatus comprising:

a) ~~an band type aortic annulus repairing apparatus of a band or ring type~~ that uniformly stabilizes ~~the~~ a diameter of ~~the~~ an aortic annulus, the aortic annulus repairing apparatus comprising:

an inner band stabilizer, which stabilizes the diameter of the aortic annulus from inside ~~the~~ an aortic lumen, and

an outer band felt stabilizer, which supports the diameter of the aortic annulus from outside of the aortic lumen; and

b) ~~a ring type sinotubular junction repairing apparatus of a ring type~~ that uniformly stabilizes ~~the~~ a diameter of ~~the~~ a sinotubular junction, the sinotubular junction repairing apparatus comprising:

an inner ring stabilizer ~~of a ring type~~ that stabilizes the diameter of the sinotubular junction from inside a sinotubular junction; and,

an outer ring felt stabilizer ~~of the ring type~~ that supports the diameter of the sinotubular junction from outside of the sinotubular junction.

2. (Cancelled)

3. (Currently Amended) The apparatus for restoring an aortic valve as set forth in claim 1, wherein the inner band stabilizer and the outer band felt stabilizer are individually ~~a bands, type or a ring type.~~

4. (Currently Amended) The apparatus for restoring an aortic valve as set forth in claim 1, wherein a sewing passage of the inner band stabilizer is formed thinner than a surrounding area in order to adhere the inner band stabilizer tightly to a wall of the aortic lumen.

5. (Currently Amended) The apparatus for restoring an aortic valve as set forth in claim 1, wherein both the inner ring stabilizer and the outer ring felt stabilizer ~~of the ring type~~ each have three equally spaced markers on ~~their~~ a circumference, which enables determination of ~~directions~~ the orientation of the stabilizers.

6. (Previously Presented) The apparatus for restoring an aortic valve as set forth in claim 1, wherein the inner band stabilizer and outer band felt stabilizer ~~of the band type,~~ respectively, each have vertical marks on both ends thereof in order to fix only a fibrous part of the aortic annulus, and have an extra margin of about 2 mm outside of ~~the~~ a vertical line which enables ~~the~~ stabilization to be more easily accomplished.

7. (Previously Presented) The apparatus for restoring an aortic valve as set forth in claim 1, wherein the inner band stabilizer and the outer band felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

8. (Cancelled)

9. (Cancelled)

10. (Currently Amended) The apparatus for restoring an aortic valve as set forth in claim 1, wherein a suture passage of the inner ring stabilizer is formed to be thinner than a surrounding part in order to adhere the stabilizer tightly to a surrounding wall in the sinotubular junction.

11. (Currently Amended) The apparatus for restoring an aortic valve as set forth in claim 1, wherein the inner ring stabilizer and the outer ring felt stabilizer of the ring type have three equally spaced markers on their circumference, which enables determination of ~~directions~~ the orientation of the stabilizers.

12. (Currently Amended) The apparatus for restoring an aortic valve as set forth in claim 1, wherein the inner ring stabilizer and the outer ring felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

13. (Currently Amended) A treatment method for aortic valvular regurgitation ~~using the aortic valve restoring apparatus as set forth in claim 1~~, comprising:

implanting an band type aortic annulus inner stabilizer ~~of the band type~~ inside of an aortic lumen,

placing an band type annulus outer felt stabilizer on the outside of the aortic lumen to support the aortic annulus inner stabilizer, thus maintaining the aortic annulus at a constant diameter; and,

implanting a STJ ring type inner stabilizer on the inside of the sinotubular junction, and

placing a STJ ring type outer felt stabilizer on the outside of the sinotubular junction to support the STJ ring type inner stabilizer, thus maintaining the sinotubular junction at a constant diameter.

14. (Cancelled)

15. (Currently Amended) The ~~apparatus~~ method for restoring an aortic valve as set forth in claim 13, wherein the inner stabilizer and the outer felt stabilizer of the ring type have three equally spaced markers on their circumference, which enables determination of the directions of the stabilizers

16. (Currently Amended) The ~~apparatus~~ method for restoring an aortic valve as set forth in claim 13, wherein the inner stabilizer and outer felt stabilizer of the band type, respectively, have vertical marks on both ends thereof in order to fix only a fibrous part of the aortic annulus, and have an extra margin of about 2mm outside of the vertical line which enables the stabilization to be more easily accomplished.

17. (Currently Amended) The ~~apparatus~~ method for restoring an aortic valve as set forth in claim 13, wherein the inner ring stabilizer and the outer ring felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

18. (Currently Amended) The ~~apparatus~~ method for restoring an aortic valve as set forth in claim 13 ~~[[4]]~~, wherein the inner band stabilizer and the outer band felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

19. (Currently Amended) The ~~apparatus~~ method for restoring an aortic valve as set forth in claim 13 ~~9~~, wherein the inner ring stabilizer and the outer ring felt stabilizer ~~of the ring type~~ each have three equally spaced markers on ~~their~~ circumference, which enables determination of ~~directions~~—the orientation of the stabilizers.

20. (Cancelled)

21. (Cancelled)